1. A fluid loss control polymer additive comprising 2-acrylamido-2-methyl propane sulfonic acid, maleic acid, N-vinyl caprolactam and 4-hydroxybutyl vinyl ether.

2. A cement composition comprising a hydraulic cement, sufficient water to form a pumpable slurry and a fluid loss control polymer additive that comprises 2-acrylamido-2-methyl propane sulfonic acid, maleic acid, N-vinyl caprolactam and 4-hydroxybutyl vinyl ether.

3. The cement composition of claim 2 wherein the fluid loss control polymer additive is present in the cement composition in an amount in the range of from about 0.1% to about 2% by weight of cement in the composition.

4. The cement composition of claim 2 wherein the water is present in an amount in the range of from about 35% to about 100% by weight of cement of the composition.

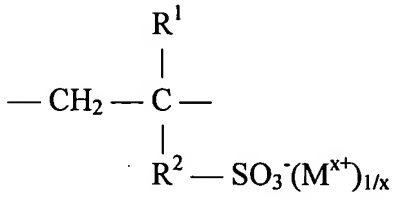
5. A well cement composition comprising a hydraulic cement, sufficient water to form a pumpable slurry and a fluid loss control polymer additive that comprises 2-acrylamido-2-methyl propane sulfonic acid, maleic acid, N-vinyl caprolactam and 4-hydroxybutyl vinyl ether.

6. The well cement composition of claim 5 wherein the fluid loss control polymer additive is present in the cement composition in an amount in the range of from about 0.1% to about 2% by weight of cement in the composition.

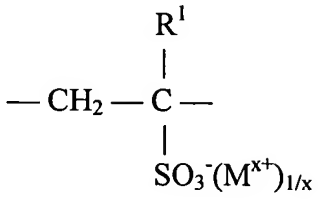
7. The well cement composition of claim 5 wherein the water is present in an amount in the range of from about 35% to about 100% by weight of cement of the composition.

8. A fluid loss control polymer additive comprising:

a) 5 to 93 weight % of monomers of the formula (Ia) or (Ib) or both



(Ia)



(Ib)

wherein

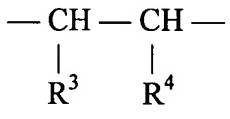
R^1 is hydrogen or C_1-C_5 alkyl,

R^2 is C_1-C_{20} alkylene, carboxy C_1-C_{20} alkylene, carboamido C_1-C_{20} alkylene or phenylene,

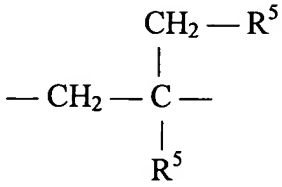
M is hydrogen, ammonium or a metal cation in the oxidation state +I, +II or +III and

x is 1 to 3;

b) 1 to 50 weight % of monomers of the formula (IIa) or (IIb) or both

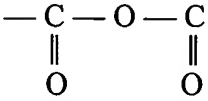


(IIa)



(IIb)

wherein

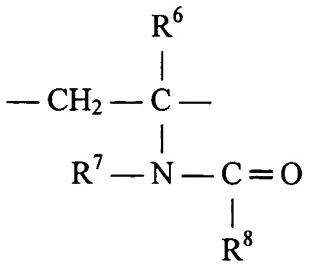
R^3 and R^4 are $-COO^-(M^{x+})_{1/x}$ or  ,

R^5 is $-COO^-(M^{x+})_{1/x}$,

M is hydrogen, ammonium or a metal cation in the oxidation state +I, +II or +III and

x is 1 to 3;

c) 5 to 93 weight % of a monomer of the formula (III)



(III)

wherein

R^6 is hydrogen or C_1-C_5 alkyl,

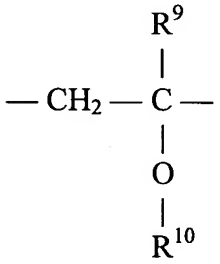
R^7 is hydrogen, C_1-C_{10} alkyl or $-(CH_2)_y-$,

R^8 is hydrogen, C_1-C_{10} alkyl or $-(CH_2)_y-$, and

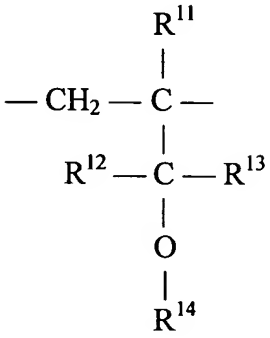
y is 3 to 7;

and

d) 1 to 25 weight % of monomers of the formula (IVa) or (IVb) or both



(IVa)



(IVb)

wherein

R^9 is hydrogen or C_1-C_5 alkyl,

R^{10} is C_1-C_{10} alkyl, C_1-C_{10} aminoalkyl, C_1-C_{20} hydroxyalkyl, C_1-C_4 alkyl or hydroxyl terminated mono- or poly-C_2-C_3 alkylenoxy (with 1 to 400 alkylenoxy units), C_7-C_{20} alkylaryl, C_7-C_{20} hydroxyalkylaryl, C_6-C_{10} aryl or C_6-C_{10} hydroxyaryl,

R^{11} is hydrogen or C_1-C_5 alkyl,

R^{12} is hydrogen or C_1-C_5 alkyl,

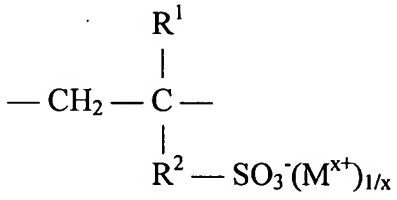
R^{13} is hydrogen or C_1-C_5 alkyl, and

R^{14} is hydrogen, C_1-C_{20} alkyl, C_1-C_{10} aminoalkyl, C_1-C_{20} hydroxyalkyl, C_1-C_4 alkyl- or hydroxyl terminated mono- or poly-C_2-C_3 alkylenoxy (with 1 to 400 alkylenoxy units), C_7-C_{20} alkylaryl, C_7-C_{20} hydroxyalkylaryl, C_6-C_{10} aryl, C_6-C_{10} hydroxyaryl or with hydroxyl substituted C_1-C_{20} alkylensulfonic acids and their ammonium, alkali metal or alkaline earth metal salts; and

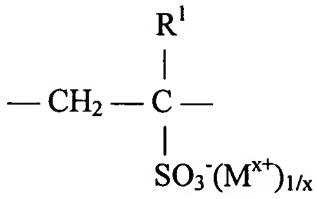
wherein the monomers a) to d) add up to 100 weight %.

9. A cement composition comprising a hydraulic cement, sufficient water to form a pumpable slurry and a fluid loss control polymer additive that comprises:

a) 5 to 93 weight % of monomers of the formula (Ia) or (Ib) or both



(Ia)



(Ib)

wherein

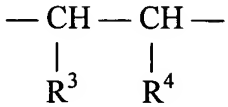
R^1 is hydrogen or C_1-C_5 alkyl,

R^2 is C_1-C_{20} alkylene, carboxy C_1-C_{20} alkylene, carboamido C_1-C_{20} alkylene or phenylene,

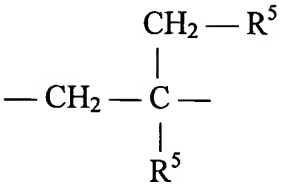
M is hydrogen, ammonium or a metal cation in the oxidation state +I, +II or +III and

x is 1 to 3;

b) 1 to 50 weight % of monomers of the formula (IIa) or (IIb) or both

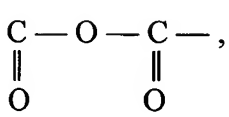


(IIa)



(IIb)

wherein

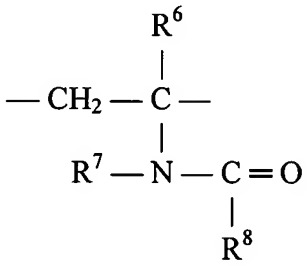
R^3 and R^4 are $-COO^-(M^{x+})_{1/x}$ or  ,

R^5 is $-COO^-(M^{x+})_{1/x}$,

M is hydrogen, ammonium or a metal cation in the oxidation state +I, +II or +III and

x is 1 to 3;

c) 5 to 93 weight % of a monomer of the formula (III)



(III)

wherein

R^6 is hydrogen or C_1-C_5 alkyl,

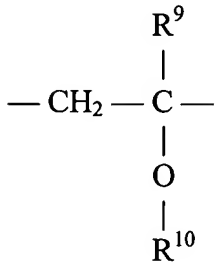
R^7 is hydrogen, C_1-C_{10} alkyl or $-(CH_2)_y-$,

R^8 is hydrogen, C_1-C_{10} alkyl or $-(CH_2)_y-$, and

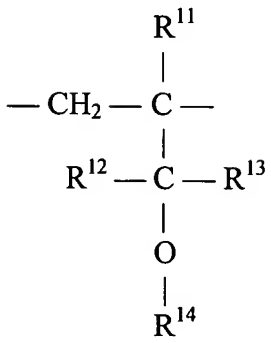
y is 3 to 7;

and

d) 1 to 25 weight % of monomers of the formula (IVa) or (IVb) or both



(IVa)



(IVb)

wherein

R^9 is hydrogen or C_1-C_5 alkyl,

R^{10} is C_1-C_{10} alkyl, C_1-C_{10} aminoalkyl, C_1-C_{20} hydroxyalkyl, C_1-C_4 alkyl or hydroxyl terminated mono- or poly-C_2-C_3 alkylenoxy (with 1 to 400 alkylenoxy units), C_7-C_{20} alkylaryl, C_7-C_{20} hydroxyalkylaryl, C_6-C_{10} aryl or C_6-C_{10} hydroxyaryl,

R^{11} is hydrogen or C_1-C_5 alkyl,

R^{12} is hydrogen or C_1-C_5 alkyl,

R^{13} is hydrogen or C_1-C_5 alkyl, and

R^{14} is hydrogen, C_1-C_{20} alkyl, C_1-C_{10} aminoalkyl, C_1-C_{20} hydroxyalkyl, C_1-C_4 alkyl- or hydroxyl terminated mono- or poly-C_2-C_3 alkylenoxy (with 1 to 400 alkylenoxy units), C_7-C_{20} alkylaryl, C_7-C_{20} hydroxyalkylaryl, C_6-C_{10} aryl, C_6-C_{10} hydroxyaryl or with hydroxyl substituted C_1-C_{20} alkylensulfonic acids and their ammonium, alkali metal or alkaline earth metal salts; and

wherein the monomers a) to d) add up to 100 weight %.

10. The cement composition of claim 9 wherein the fluid loss control polymer additive is present in the cement composition in an amount in the range of from about 0.1% to about 2% by weight of cement in the composition.

11. The cement composition of claim 9 wherein the hydraulic cement is selected from the group consisting of Portland cements, pozzolana cements, gypsum cements, aluminous cements and silica cements.

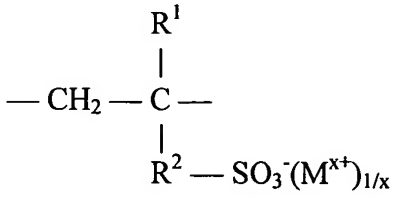
12. The cement composition of claim 9 wherein the hydraulic cement is Portland cement.

13. The cement composition of claim 9 wherein the water is selected from the group consisting of fresh water and salt water.

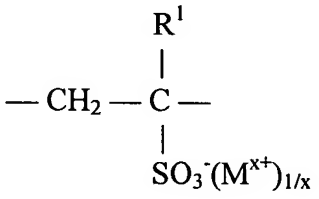
14. The cement composition of claim 9 wherein the water is present in an amount in the range of from about 35% to about 100% by weight of cement of the composition.

15. A well cement composition comprising a hydraulic cement, sufficient water to form a pumpable slurry and a fluid loss control polymer additive that comprises:

a) 5 to 93 weight % of monomers of the formula (Ia) or (Ib) or both



(Ia)



(Ib)

wherein

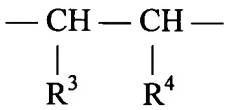
R^1 is hydrogen or C_1-C_5 alkyl,

R^2 is C_1-C_{20} alkylene, carboxy C_1-C_{20} alkylene, carboamido C_1-C_{20} alkylene or phenylene,

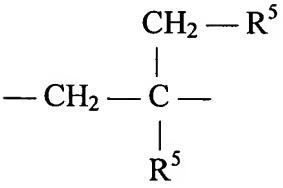
M is hydrogen, ammonium or a metal cation in the oxidation state +I, +II or +III and

x is 1 to 3;

b) 1 to 50 weight % of monomers of the formula (IIa) or (IIb) or both

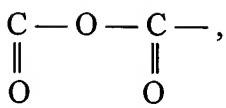


(IIa)



(IIb)

wherein

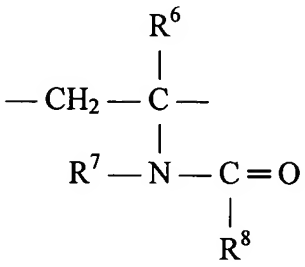
R^3 and R^4 are $-COO^-(M^{x+})_{1/x}$ or  ,

R^5 is $-COO^-(M^{x+})_{1/x}$,

M is hydrogen, ammonium or a metal cation in the oxidation state +I, +II or +III and

x is 1 to 3;

c) 5 to 93 weight % of a monomer of the formula (III)



(III)

wherein

R^6 is hydrogen or C_1-C_5 alkyl,

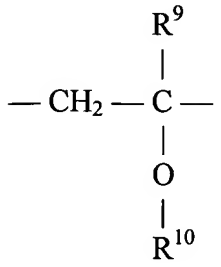
R^7 is hydrogen, C_1-C_{10} alkyl or $-(CH_2)_y-$,

R^8 is hydrogen, C_1-C_{10} alkyl or $-(CH_2)_y-$, and

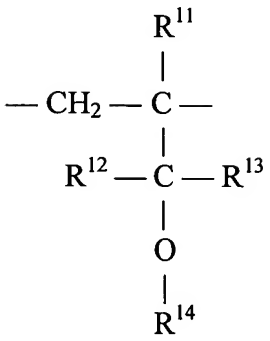
y is 3 to 7;

and

d) 1 to 25 weight % of monomers of the formula (IVa) or (IVb) or both



(IVa)



(IVb)

wherein

R^9 is hydrogen or C_1-C_5 alkyl,

R^{10} is C_1-C_{10} alkyl, C_1-C_{10} aminoalkyl, C_1-C_{20} hydroxyalkyl, C_1-C_4 alkyl or hydroxyl terminated mono- or poly-C_2-C_3 alkylenoxy (with 1 to 400 alkylenoxy units), C_7-C_{20} alkylaryl, C_7-C_{20} hydroxyalkylaryl, C_6-C_{10} aryl or C_6-C_{10} hydroxyaryl,

R^{11} is hydrogen or C_1-C_5 alkyl,

R^{12} is hydrogen or C_1-C_5 alkyl,

R^{13} is hydrogen or C_1-C_5 alkyl, and

R^{14} is hydrogen, C_1-C_{20} alkyl, C_1-C_{10} aminoalkyl, C_1-C_{20} hydroxyalkyl, C_1-C_4 alkyl- or hydroxyl terminated mono- or poly-C_2-C_3 alkylenoxy (with 1 to 400 alkylenoxy units), C_7-C_{20} alkylaryl, C_7-C_{20} hydroxyalkylaryl, C_6-C_{10} aryl, C_6-C_{10} hydroxyaryl or with hydroxyl substituted C_1-C_{20} alkylensulfonic acids and their ammonium, alkali metal or alkaline earth metal salts; and

wherein the monomers a) to d) add up to 100 weight %.

16. The well cement composition of claim 15 wherein the fluid loss control polymer additive is present in the well cement composition in an amount in the range of from about 0.1% to about 2% by weight of cement in the composition.

17. The well cement composition of claim 15 wherein the hydraulic cement is selected from the group consisting of Portland cements, pozzolana cements, gypsum cements, aluminous cements and silica cements.

18. The well cement composition of claim 15 wherein the hydraulic cement is Portland cement.

19. The well cement composition of claim 15 wherein the water is selected from the group consisting of fresh water and salt water.

20. The well cement composition of claim 15 wherein the water is present in an amount in the range of from about 35% to about 100% by weight of cement in the composition.

21. A fluid loss control polymer additive comprising 69 weight % of the calcium salt of 2-acrylamido-2-methyl propane sulfonic acid, 14 weight % of the calcium salt of maleic acid, 14 weight % of N-vinyl caprolactam and 3 weight % of 4-hydroxybutyl vinyl ether.

22. A cement composition comprising a hydraulic cement, sufficient water to form a pumpable slurry and a fluid loss control polymer additive that comprises 69 weight % of the calcium salt of 2-acrylamido-2-methyl propane sulfonic acid, 14 weight % of the calcium salt of maleic acid, 14 weight % of N-vinyl caprolactam and 3 weight % of 4-hydroxybutyl vinyl ether.

23. The cement composition of claim 22 wherein the fluid loss control polymer additive is present in the cement composition in an amount in the range of from about 0.1% to about 2% by weight of cement in the composition.

24. The cement composition of claim 22 wherein the hydraulic cement is selected from the group consisting of Portland cements, pozzolana cements, gypsum cements, aluminous cements and silica cements.

25. The cement composition of claim 22 wherein the hydraulic cement is Portland cement.

26. The cement composition of claim 22 wherein the water is selected from the group consisting of fresh water and salt water.

27. The cement composition of claim 22 wherein the water is present in an amount in the range of from about 35% to about 100% by weight of cement of the composition.

28. A well cement composition comprising a hydraulic cement, sufficient water to form a pumpable slurry and a fluid loss control polymer additive that comprises 69 weight % of the calcium salt of 2-acrylamido-2-methyl propane sulfonic acid, 14 weight % of the calcium salt of maleic acid, 14 weight % of N-vinyl caprolactam and 3 weight % of 4-hydroxybutyl vinyl ether.

29. The well cement composition of claim 28 wherein the fluid loss control polymer additive is present in the well cement composition in an amount in the range of from about 0.1% to about 2% by weight of cement in the composition.

30. The well cement composition of claim 28 wherein the hydraulic cement is selected from the group consisting of Portland cements, pozzolana cements, gypsum cements, aluminous cements and silica cements.

31. The well cement composition of claim 28 wherein the hydraulic cement is Portland cement.

32. The well cement composition of claim 28 wherein the water is selected from the group consisting of fresh water and salt water.

33. The well cement composition of claim 28 wherein the water is present in an amount in the range of from about 35% to about 100% by weight of cement of the composition.